

Message Text

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PAGE 01 TAIPEI 01079 01 OF 02 230637Z
ACTION EA-12

INFO OCT-01 ISO-00 EB-08 /021 W
-----126284 230650Z /11

R 230400Z FEB 78
FM AMEMBASSY TAIPEI
TO USDOC WASHDC
INFO SECSTATE WASHDC 6522

UNCLAS SECTION 1 OF 2 TAIPEI 1079

FOR: BED/OIM/MRD/214
BED/OIM/EA

E.O. 11652: N/A
TAGS: BBSR, TW
SUBJECT: SUPPLEMENTARY INFORMATION - GMR: PRODUCTION
MACHINERY, TEST INSTRUMENTATION AND SPECIAL
MATERIALS FOR ELECTRONICS COMPONENTS-- TAIWAN

REF : USDOC 23730

1. FOLLOWING INFORMATION HAS BEEN GATHERED BY TTC STAFF IN
ANSWER TO QUESTIONS RAISED REFTEL:
- PARA TWO: ACCORDING TO TRADE SOURCES, RE-EXPORT OF ELECTRONICS
PRODUCTION MACHINERY AND TEST INSTRUMENTATION IS INSIGNIFICANT.
- PARA THREE:
- A. LOCALLY MADE IC'S ARE MOSTLY MONOLITHIC.
 - B. INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE (ITRI)
IS PRODUCING MOS IC'S.
 - C. THE DESIGN AND ARTWORK OF MONOLITHIC IC'S ARE COMPUTER-
AIDED.
 - D. THE COMMON WAFER SIZE IS 3 INCHES.
 - E. THE COMMON SCRIBING METHODS ARE DIAMOND SCRIB AND SAW.
 - F. ELECTRON BEAM SYSTEMS ARE NOT EXPECTED TO BE USED
IN THE FORESEEABLE FUTURE.
 - G. ION IMPLANTATION IS IN USE.

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- H. BONDING IS BOTH MANUAL AND AUTOMATIC.
- I. CHROME IS THE MOST COMMON MASKING MATERIAL.
- J. MANUFACTURERS USE CONTACT PRINTING.
- K. SILICON IS PRODUCED IN TAIWAN.
- L. PLASTIC MOLDING IS THE MOST IMPORTANT ENCAPSULATING
TECHNIQUE.
- M. CARBON FILM RESISTOR PRODUCTION IS HIGHLY AUTOMATED;

OTHER PASSIVE COMPONENT PRODUCTION LINES ARE LESS
AUTOMATED.

N. TESTING IS DONE BOTH ON-LINE AND ON FINISHED PRODUCTS.

O. IC COMPONENT MANUFACTURERS USE THE MOST ADVANCED TYPES
OF TESTING INSTRUMENTS.

2. CONTRACTOR HAS REVISED TABLE A AS FOLLOWS:

1973	1974	1975
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8,004	9,668	11,375
4,948	8,010	8,024
2,212	2,394	3,611
----	-----	-----
10,740	15,284	15,788
-----	-----	-----
2,226	3,030	3,102
8,404	9,433	10,739
3,001	4,313	5,811
2,690	3,355	4,428
-----	-----	-----
8,715	10,391	12,122
-----	-----	-----
2,100	2,587	2,614
1,042	1,081	1,069
1,173	1,315	813

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43	101	138
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2,172	2,295	1,744
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237	670	131
9,500	10,673	11,740
2,265	2,844	2,030
2,945	3,522	2,465
-----	-----	-----
8,820	9,995	11,305
-----	-----	-----
1,327	1,435	1,073
26,950	30,855	34,923
11,387	16,482	16,678
7,890	9,372	10,642
-----	-----	-----
30,447	37,965	40,959
-----	-----	-----
3,890	7,722	6,920

1976	1978	1980
-----	-----	-----
13,654	16,500	20,000
11,659	15,605	19,267
4,096	5,700	7,000
-----	-----	-----
21,217	26,405	32,267
-----	-----	-----
3,703	5,460	7,706
-----	-----	-----
12,358	16,300	21,600
6,339	7,610	8,725
4,730	5,600	7,800

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13,967	18,310	22,525
2,535	3,500	4,300
-----	-----	-----
1,170	1,225	1,370
709	865	1,030
125	160	200
-----	-----	-----
1,754	1,930	2,200
-----	-----	-----
178	260	400
-----	-----	-----
13,507	17,900	23,650
4,412	5,800	6,987
3,376	6,300	8,300
-----	-----	-----
14,543	17,400	22,337
-----	-----	-----
1,732	2,000	2,200
-----	-----	-----
40,689	51,925	66,620
23,119	29,880	36,009
12,327	17,760	23,300
-----	-----	-----
51,481	64,045	79,329
-----	-----	-----
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8,148	11,220	14,606

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ACTION EA-12

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R 230400Z FEB 78
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UNCLAS SECTION 2 OF 2 TAIPEI 1079

3. NUMBER LOCAL MANUFACTURERS WITH US AFFILIATION AND NUMBER
WITH JAPANESE AFFILIATION ARE ESTIMATED AS FOLLOWS:
52 US-AFFILIATED FIRMS MANUFACTURING ELECTRONIC COMPONENTS
WITH TOTAL CAPITAL VALUED AT MORE THAN \$77.8 MILLION,
96 JAPANESE-AFFILIATED FIRMS WITH TOTAL CAPITAL OF
\$92.5 MILLION, AND TWO FIRMS WITH BOTH US AND JAPANESE
AFFILIATION AND CAPITAL OF \$3.5 MILLION. NAMES OF THESE
COMPANIES, CAPITALIZATION, AND PRODUCTS MANUFACTURED
BEING FORWARDED VIA APO.

UNIT \$000

	U.S.-AFFILIATED	JAPANESE-AFFILIATED
LOCATION OF	NO. OF CAPITAL	NO. OF CAPITAL
MAUFACTURERS	FIRMS REGISTERED	FIRMS REGISTERED

CUTSIDE EXPORT

PROCESSING	41	\$68,907 PLUS	54	\$60,889
ZONES				

IN EXPORT

PROCESSING		
ZONES		

KAOHSIUNG EPZ	5	4,747 PLUS	19	9,196
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NANTZE EPZ	4	1,699	14	10,683
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TAICHUNG EPZ	2	2,447	9	11,773
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TOTAL	52	\$77,800 PLUS	96	\$92,541
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U.S./JAPANESE - AFFILIATED

LOCATION OF	NO. OF CAPITAL
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MANUFACTURERS FIRMS REGISTERED

OUTSIDE EXPORT

PROCESSING 2 \$3,450

ZONES

IN EXPORT

PROCESSING

ZONES

KAOHSIUNG EPZ

NANTZE EPZ

TAICHUNG EPZ

TOTAL 2 \$3,450

SOURCE: INDUSTRIAL DEVELOPMENT BUREAU (IDB)

TAIWAN ELECTRIC APPLIANCE MANUFACTURERS'
ASSOCIATION (TEAMA)

EXPORT PROCESSING ZONE ADMINISTRATION.

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Message Attributes

Automatic Decaptioning: X
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Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
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Disposition Date: 01 jan 1960
Disposition Event:
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Review Withdrawn Fields: n/a
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TAGS: BBSR, TW
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Type: TE
vdkgvkey: odbc://SAS/SAS.dbo.SAS_Docs/f52f08d1-c288-dd11-92da-001cc4696bcc
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